

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004703

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L29/12 H04L12/56 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/118002 A1 (BRADD PATRICK ET AL) 26 June 2003 (2003-06-26) paragraphs [0010] - [0013] paragraphs [0023] - [0026] paragraphs [0032], [0033] paragraphs [0040] - [0048] figures 2-7	1-57
X	US 2003/165121 A1 (LEUNG NIKOLAI K.N ET AL) 4 September 2003 (2003-09-04) abstract paragraphs [0017] - [0025] paragraphs [0031] - [0033] figures 2-8	1-57



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

31.03.05

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SMITH M ET AL: "Network security using NAT and NAPT" PROCEEDINGS OF IEEE INTERNATIONAL CONFERENCE ON NETWORKS, ICON, 27 August 2002 (2002-08-27), pages 355-360, XP010603644 page 356, left-hand column, section 3 - page 358, left-hand column, line 4 figures 1-3 -----	1-13, 18-31, 36-49, 54-57
X	WO 02/19585 A1 (VERIZON COMMUNICATIONS INC) 7 March 2002 (2002-03-07) page 14, line 28 - page 15, line 2 page 21, line 28 - page 22, line 19 page 34, line 1 - page 35, line 25 page 42, line 11 - page 44, line 9 figures 9,10,19,27-37 -----	1-13, 18-31, 36-49, 54-57

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-57

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-57

Method and system for secure group communications within and between different network associations for sharing network resources.

2. claim: 58 and 59

Methods for group management (i.e., group set-up) enabling secure communications between group members.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003118002 A1	26-06-2003	NONE	
US 2003165121 A1	04-09-2003	AU 2003222257 A1 CA 2477809 A1 EP 1481532 A1 WO 03077503 A1	22-09-2003 18-09-2003 01-12-2004 18-09-2003
WO 0219585 A1	07-03-2002	US 6850495 B1 AU 7922501 A AU 8321201 A WO 0219595 A2	01-02-2005 13-03-2002 13-03-2002 07-03-2002